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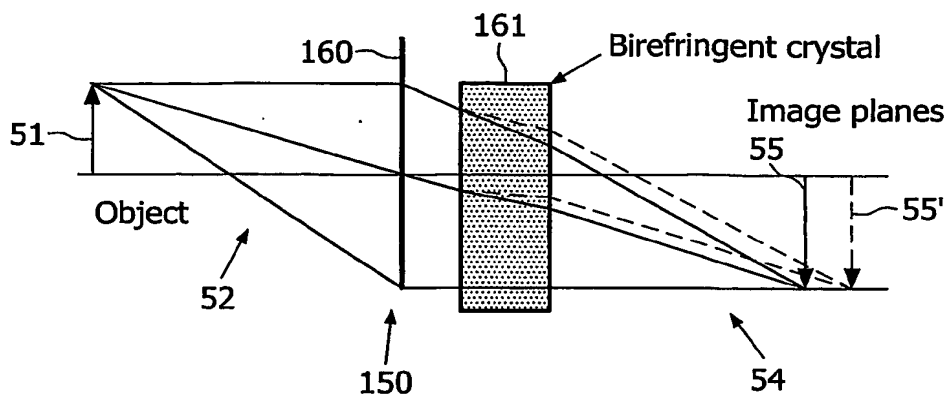
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[Continued on next page]

(54) Title: DISPLAY DEVICE FOR VOLUMETRIC IMAGING USING A BIREFRINGENT OPTICAL PATH LENGTH ADJUSTER



—— Light rays in case of P-polarized light.
---- Light rays in case of S-polarized light.

(57) Abstract: A display device for generating a three-dimensional volumetric image incorporates an optical path length adjuster enables electro-optical control of a physical path length between a display panel and a focusing element, to generate a virtual image within a defined imaging volume. The adjuster varies an optical path length between an input optical path and an output optical path and includes: a first polarisation switch for selecting a polarisation state for an input beam on the input optical path and an optical element having birefringent properties and thereby defining at least two possible effective optical paths of different lengths therethrough, for passing the input beam along a selected one of said at least two possible optical paths according to the selected polarisation state of the input beam and for providing an output beam of light, on said optical output path, that has travelled along the selected optical path.



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